

# PREVENT STORM WATER CONTAMINATION

## *Best Management Practices for*

# Rubber, Plastic & Other Products

### **Outdoor material storage** *(including waste and particulate emission management)*

- ✦ Confine storage of materials, parts and equipment to designated areas.
- ✦ Consider secondary containment using curbing, berming or diking all liquid storage areas.
- ✦ Train employees in spill prevention and response techniques.
- ✦ Train employees on proper waste control and disposal.
- ✦ Consider covering tanks.
- ✦ Ensure that all containers are closed (e.g. valves shut, lids sealed, caps closed).
- ✦ Wash and rinse containers indoors before storing them outdoors.
- ✦ If outside or in covered areas, minimize run-on of storm water by grading the land to divert flow away from containers.
- ✦ Leak detection and container integrity testing.
- ✦ Direct runoff to on-site retention pond.
- ✦ Inventory all raw and spent materials.
- ✦ Clean around vents and stacks.
- ✦ Place tubs around vents and stacks to collect particulate.
- ✦ Inspect air emission control systems (e.g. baghouses) regularly, and repair or replace when necessary.
- ✦ Store wastes in covered, leak proof containers (e.g. dumpsters, drums).
- ✦ Consider shipping all wastes to offsite landfills or treatment facilities.
- ✦ Ensure hazardous waste disposal practices are performed in accordance with Federal, State and local requirements.

### **Outdoor unloading and loading**

- ✦ Confine loading/unloading activities to a designated area.
- ✦ Consider performing loading/unloading activities indoors or in a covered area.
- ✦ Consider covering loading/unloading area with permanent cover (e.g. roof) or temporary cover (e.g. tarps).
- ✦ Close storm drains during loading/unloading activities in surrounding areas.
- ✦ Avoid loading/unloading materials in the rain.
- ✦ Inspect the unloading/loading areas to detect problems before they occur.
- ✦ Inspect all containers prior to loading/unloading of any raw or spent materials.
- ✦ Consider berming, curbing or diking loading/unloading areas.
- ✦ Dead-end sump where spilled materials could be directed.
- ✦ Drip pans under hoses.
- ✦ Use dry clean-up methods instead of washing the areas down.
- ✦ Train employees on proper loading/unloading techniques, spill prevention and response.

# Best Management Practices for Rubber, Plastic & Other Products

## CONTINUED

### Zinc source

*Poor housekeeping, bags of zinc stored outside, zinc spilled from trucks during unloading, spillage during emptying for plant use*

- ✦ Employee training, spill cleanup, indoor storage, use of special large volume sacks with less potential for releases of zinc.

*Zinc containers, rubber products, rags contaminated with zinc stearate discarded in outdoor dumpsters*

- ✦ Cover the dumpsters, use linked dumpsters that do not leak or move dumpster inside.

*Malfunctioning baghouses for dust collection*

- ✦ Repair or replace the baghouse, regular maintenance.

*Grinding operations from which zinc dust may be released*

- ✦ Use dust collection system or reduce the amount of dust generated.

*Drips of zinc stearate during coating operations*

- ✦ Spill prevention/response, use of alternate compounds.

### If spills occur:

- ✦ **Stop the source of the spill immediately.**
- ✦ **Contain the liquid until cleanup is complete.**
- ✦ **Deploy oil containment booms if the spill may reach the water.**
- ✦ **Cover the spill with absorbent material.**
- ✦ **Keep the area well ventilated.**
- ✦ **Dispose of clean-up materials properly.**
- ✦ **Do not use emulsifier or dispersant.**



**City of Phoenix**

STREET TRANSPORTATION DEPARTMENT  
STORM WATER MANAGEMENT SECTION

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